

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/044840 A2

(51) International Patent Classification⁷:

C07K

(21) International Application Number:

PCT/US2004/009647

(22) International Filing Date: 29 March 2004 (29.03.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/512,235 17 October 2003 (17.10.2003) US

(71) Applicant (for all designated States except US): THE CBR INSTITUTE FOR BIOMEDICAL RESEARCH, INC. [US/US]; 800 Huntington Avenue, Boston, MA 02115 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): RAO, Anjana [US/US]; 19 Agassiz Street #31, Cambridge, MA 02140 (US). HOGAN, Patrick, G. [US/US]; 19, Agassiz Street #31, Cambridge, MA 02140 (US). HEISSMEYER, Vilgo [DE/US]; 34, Harris St #5, Brookline, MA 02446 (US).

(74) Agent: FREEMAN, John, W.; Fish & Richardson, P.C., 225 Franklin Street, Boston, MA 02110-2804 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/044840 A2

(54) Title: MODULATION OF ANERGY AND METHODS FOR ISOLATING ANERGY-MODULATING COMPOUNDS

(57) Abstract: The present invention provides methods for identifying compounds capable of modulating anergy by inhibiting the production or activity of anergy associated E3 ubiquitin ligases or by altering the interaction between a ligase and its substrate.